



PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Sheet 1 of 6

Application Number	09/896,132
Filing Date	June 29, 2001
First Named Inventor	Stephen R. Kennon
Art Unit	2128
Examiner Name	Russell W. Frejd
Attorney Docket Number	1048-OBJ1113-US

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
RF	A1	US- 3,029,018	04/10/1962	Floyd, Jr.	703/9
RF	B1	US- 3,302,710	02/07/1967	Odeh	166/269
RF	C1	US- 4,821,164	04/11/1989	Swanson	702/5
RF	D1	US- 5,255,212	10/19/1993	Kondoh et al.	703/9
RF	E1	US- 5,432,718	07/11/1995	Molvig et al.	703/9
RF	F1	US- 5,572,634	11/05/1996	Duluk, Jr.	345/419
RF	G1	US- 5,604,911	02/18/1997	Ushiro	703/2
RF	H1	US- 5,617,322	04/01/1997	Yokota	700/98
RF	I1	US- 5,675,521	10/07/1997	Holzhauser et al.	716/20
RF	J1	US- 5,699,271	12/16/1997	Sagawa et al.	716/20
RF	K1	US- 5,710,726	01/20/1998	Rowney et al.	703/10
RF	L1	US- 5,740,342	04/14/1998	Kocberber	345/420
RF	M1	US- 5,754,181	05/19/1998	Amdursky et al.	345/419
RF	N1	US- 5,891,131	04/06/1999	Rajan et al.	606/5
RF	O1	US- 5,966,524	10/12/1999	Burnett et al.	703/5
RF	P1	US- 6,014,473	01/11/2000	Hossack et al.	382/294
RF	Q1	US- 6,018,497	01/25/2000	Gunasekera	367/72
RF	R1	US- 6,028,607	02/22/2000	Chan	345/419
RF	S1	US- 6,041,017	03/21/2000	Goldsberry	367/38

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
RF	T1	EP 0 709 789 A2	05/01/1996	—		
RF	U1	EP 0 801 364 B1	07/30/2003	—	English Abstract	
RF	V1	FR 2,775,094	08/20/1999	—	English Abstract	
RF	W1	GB 2,326,747 A	12/30/1998	—		
RF	X1	WO 99/40532	08/12/1999	—		
RF	Y1	WO 99/52048	10/14/1999	—		

Examiner Signature	Russell Frejd	Date Considered	5.2.05
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Art Unit	2128
Examiner Name	Russell W. Frejd
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Sheet 2 of 6

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RF	A2	US- 6,052,520	04/18/2000	Watts, III	703/10
RF	B2	US- 6,054,992	04/25/2000	Gibson	345/424
RF	C2	US- 6,064,810	05/16/2000	Raad et al.	703/23
RF	D2	US- 6,070,125	05/30/2000	Murphy et al.	702/11
	E2	US- 6,078,869	06/20/2000	Gunasekera	
RF	F2	US- 6,106,561	08/22/2000	Farmer	703/10
RF	G2	US- 6,191,796 B1	02/20/2001	Tarr	345/581
	H2	US- 6,313,837 B1	11/06/2001	Assa et al.	
RF	I2	US- 6,445,390 B1	09/03/2002	Aftosmis et al.	345/421
RF	J2	US- 6,448,788 B1	09/10/2002	Meaney et al.	324/637
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RF	L2	US- 6,552,724 B1	04/22/2003	Marshall	345/420
RF	M2	US- 6,587,104 B1	07/01/2003	Hoppe	345/423
RF	N2	US- 6,608,628 B1	08/19/2003	Ross et al.	345/619
	O2	US- 6,674,432 B2	01/06/2004	Kennon et al.	
RF	P2	US- 5,553,009	09/03/1996	Meshkat et al.	716/20
RF	Q2	US- 5,999,187	12/07/1999	Dehmloew et al.	345/420
RF	R2	US- 6,816,820 B1	11/09/2004	Friedl et al.	703/2
RF	S2	US- 2002/0032494 A1	03/14/2002	Kennon et al.	700/98

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
RF	T2	WO 99/57418	11/11/1999	—		
RF	U2	WO 02/01251 A2	01/03/2002	—		
RF	V2	WO 02/02901 A2	01/10/2002	—		
RF	W2	WO 02/03101 A2	01/10/2002	—		
RF	X2	WO 02/03103 A2	01/10/2002	—		
RF	Y2	WO 02/03262 A2	01/10/2002	—		

Examiner Signature	<u>Russell Frejd</u>	Date Considered	<u>5.2.05</u>
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First Named Inventor	Stephen R. Kennon
Art Unit	2128
Examiner Name	Russell W. Frejd
Attorney Docket Number	1048-OBJ1113-US

Sheet 3 of 6

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		Number-Kind Code ² (if known)			
RF	A3	US- 2002/0032550 A1	03/14/2002	Ward et al.	703/2
RF	B3	US- 2002/0035453 A1	03/21/2002	Pond, Jr. et al.	703/2
RF	C3	US- 2002/0046014 A1	04/18/2002	Kennon	703/9
RF	D3	US- 2002/0067373 A1	06/06/2002	Roe et al.	715/762
RF	E3	US- 2002/0072883 A1	06/13/2002	Lim et al.	703/2
RF	F3	US- 2002/0082813 A1	06/27/2002	Lim et al.	703/2
	G3	US-			
	H3	US-			
	I3	US-			
	J3	US-			
	K3	US-			
	L3	US-			
	M3	US-			
	N3	US-			
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	P3	US-			
	Q3	US-			
	R3	US-			
	S3	US-			

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
RF	T3	WO 02/03263 A2	01/10/2002	—	—	
RF	U3	WO 02/03264 A2	01/10/2002	—	—	
RF	V3	WO 02/03265 A2	01/10/2002	—	—	
	W3					
	X3					
	Y3					

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		Filing Date	June 29, 2001
		First Named Inventor	Stephen R. Kennon
		Art Unit	2128
		Examiner Name	Russell W. Frejd
Sheet 4	of 6	Attorney Docket Number	1048-OBJ1113-US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A4	P.A. Forsyth, et al., "Local Mesh Refinement and Modeling of Faults and Pinchouts", SPE FORM EVALUATION, June 1986, Vol. 1, No. 3, pages 275-285. XP-002191830	
	B4	Y. Ding, et al., "Development of Dynamic Local Grid Refinement in Reservoir Simulation", Proceedings of the 13th SPE Symposium on Reservoir Simulation, New Orleans, LA, February-March 1993, pages 501-510. XP-002191831	
	C4	S. Verna, et al., "A Control Volume Scheme for Flexible Frids in Reservoir Simulation", Proceedings of the 1997 SPE Reservoir Simulation Symposium, Dallas, TX, June 1997, pages 215-227. XP-002191832	
	D4	S. Kocerber, et al., "An Automatic, Unstructured Control Volume Generation System for Geologically Complex Reservoirs", Proceedings of the 1997 SPE Reservoir Simulation Symposium, Dallas, TX, June 1997, pages 241-252. XP-002191833	
	E4	Y. Kuwauchi, et al., "Development and Applications of a Three-Dimensional Voronoi-Based Flexible Grid Black-Oil Reservoir Simulator", SPE Asia Specific Oil & Gas Conference, Adelaide, Australia, October 1996, pages 1-12. XP-002191834	
	F4	R. Page, et al., "A Functional Program Describing a Simple Reservoir Model and Its Potential for Parallel Computation", Proceedings of the 1990 Symposium on Applied Computing, IEEE, April 1990, pages 85-91.	
	G4	C. Giersten, et al., "Volume Visualization of Sparse Irregular Meshes", Computer Graphics and Applications, IEEE, Vol. 2, No. 2, March 1992, pages 40-48.	
RF	H4	S. Ghosh, "Curvilinear Local Grid Refinement", SPE 50633, SPE European Petroleum Conference, The Netherlands, 20-22 October, 1998.	
RF	I4	H. N. Sharpe, et al., "A New Adaptive Orthogonal Grid Generation Procedure for Reservoir Simulation" 65th Annual Technical Conference and Exhibition of the Society of Petroleum Engineers, New Orleans, LA, September 23-26, 1990.	
RF	J4	M. Wheeler, et al., "A Parallel Multiblock/Multidomain Approach for Reservoir Simulation", Proceedings of the 1999 15th Symposium on Reservoir Simulation, Houston, TX, February 1999. XP-002188857	

Examiner Signature	RUSSELL FREJD	Date Considered	5.2.05
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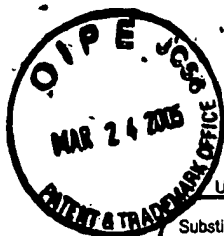
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RF	A5	D. Kahaner, et al., "An Experimental Algorithm for N-Dimensional Adaptive Quadrature", ACM Transactions on Mathematical Software (TOMS), March 1979, pages 86-96.	
RF	B5	Y. Ozdogan, "Seismic Data Processing", Society of Exploration Geophysics, Tulsa, OK, 1991, pg. 514-515.	
RF	C5	S. Norris, et al., "Modeling Fluid Flow Around Horizontal Wellbores", Proceedings: SPE Annual Technical Conference and Exhibition 1990 Part 4, New Orleans, LA September 23-26, 1990, Vol. SIGMA, pp. 65-75.	
RF	D5	P. Perrochet, "Finite Hyperelements: A 4D Geometrical Framework Using Coariant Baes and Metric Tensors" COMMUNICATIONS IN NUMERICAL METHODS IN ENGINEERING, June 1995, UK, vol. 11, no. 6, pgs 525-534	
RF	E5	J.M.M. Regtien, et al., "Interactive Reservoir Simulation", Proceedings of the 13th Symposium on Reservoir Simulation, San Antonio, TX February 12-15, pgs. 545-552.	
RF	F5	C. Buckalew, et al., "Oilfield Visualization on the PC Platform", 2000 SPE/AAPG Western Regional Meeting, June 19-23, 2000, pgs 1-5.	
RF	G5	E. Farkas, "Linearization Techniques of Reservoir Simulation Equations: Fully Implicit Cases, Proceedings of the 1997 SPE Reservoir Simulation Symposium, Dallas, Texas June 8-11, 1997, pgs 87-95.	
RF	H5	E. Farkas, "Linearization Techniques of Reservoir Simulation Equations: Fully Implicit Cases, Richardson, Texas, December 1998, Vol. 3, no. 4, pgs. 316-323.	
RF	I5	P. Benedeck, "Capacitances of Planar Multiconductor Configuration on a Dielectric Substrate by a Mixed Order Finite-Element Method, IEEE1974.	
RF	J5	Fu, et al., "Time Integration Procedures for a Cyclic Thermoviscoplasticity Model for Pb-Sn solder applications, IEEE 1996.	

Examiner Signature	<u>Russell Frejd</u>	Date Considered	<u>5.2.05</u>
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NON PATENT LITERATURE DOCUMENTS

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RF	A6	P. J. Zwart, et al., "Space-Time Meshing for Two-Dimensional Moving Boundary Problems", Proceedings of the Seventh International Meshing Roundtable, pgs 187-199, 1998.	
RF	B6	S. L. Ho, et al., "Generation and Rotation of 3-D Finite Element Mesh for Skewed Rotor Induction Motors Using Extrusion Technique", IEEE Transactions on Magnetics, pgs 1266-1269, May 1999.	
	C6		
	D6		
	E6		
	F6		
	G6		
	H6		
	I6		
	J6		

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